

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	8685	385/31,33,34,129-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:44
L7	7852	L6 and (@ad<"20031027" @rlad<"20031027")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:16
L8	2240	L7 and (substrate\$1 base\$1) and ((waveguide\$1 core\$1 fib\$3) with (lens\$2 GRIN))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:16
L9	993	L8 and (clad cladding\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:16
L10	446	L9 and (substrate\$1 same (clad cladding\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:16
L11	153	L10 and ((upper and lower) with (clad cladding\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:16
L12	39	L11 and (lens\$2 same (expos\$4 protrud\$4 air))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:16
L13	39	L12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:40

DLD 1/5/07

## EAST Search History

L16	9841	waveguid\$2 with (lens\$2 GRIN\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:40
L17	2327027	substrat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:40
L18	174601	clad\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:40
L19	2212	L16 same L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:40
L20	695	L16 same L18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:40
L21	289	L19 and L20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:40
L22	243	L21 and (@ad<"20031027" @rlad<"20031027")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:40
L23	243	L22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:40

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L24	9709	waveguid\$2 with lens\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:40
L25	41	L24 same (air-clad\$4 (air near4 clad\$4) (air near4 expos\$4) (clad\$4 near6 remov\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/05 18:40
L26	41	L25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:40
L27	1155	(lens near4 waveguide) same substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:41
L28	270	L27 and ((focus\$3 and collimat\$3) same lens)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:42
L29	88	L28 and (waveguide lens) near9 (clad cladding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:42
L30	76	L29 and (@ad<"20031027" @rlad<"20031027")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 18:43
L31	1809	385/31,33,34,129-132.ccls.	US-PGPUB	OR	OFF	2007/01/05 18:44
L32	160	L31 and lens.clm. and waveguide.clm.	US-PGPUB	OR	OFF	2007/01/05 18:45
L33	168	L31 and lens.clm. and waveguide.clm.	US-PGPUB	OR	ON	2007/01/05 18:45
L34	16	L33 and collimat\$4.clm. and focus.clm.	US-PGPUB	OR	ON	2007/01/05 18:45

## EAST Search History

S1	16	((("5253319") or ("5352566") or ("5432877") or ("5612171") or ("6341189") or ("6785458") or ("6807352") or ("4262996") or ("4367916") or ("4440468") or ("4445759") or ("5352566") or ("5432877") or ("5719973") or ("5850498") or ("6037105") or ("6256441") or ("6341189") or ("6555288"))).PN.	USPAT	OR	OFF	2006/03/08 19:49
S2	2	((("20020122648") or ("20020136481"))).PN.	US-PGPUB	OR	OFF	2005/06/15 15:39
S3	1	("1058135").PN.	EPO	OR	OFF	2005/06/16 19:04
S4	1	("6818721").PN.	USPAT	OR	OFF	2005/06/16 19:06
S5	9360	(HSQ (siloxane near3 polymer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 19:56
S6	220	S5 and (waveguid\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 19:08
S7	332	S5 and (waveguid\$4 cladding\$1 clad\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 19:08
S8	308	S7 and @ad<"20031027"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 19:09
S9	38	S8 and (cladding\$1 with waveguid\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 16:06
S10	9360	(HSQ (siloxane near3 polymer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 19:56

## EAST Search History

S11	62	(HSQ (siloxane near3 polymer)) with (clad\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 16:07
S12	9883	(HSQ (siloxane near3 polymer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 16:07
S13	367	S12 and (waveguid\$4 cladding\$1 clad\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 16:07
S14	311	S13 and @ad<"20031027"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 16:07
S15	40	S14 and (cladding\$1 with waveguid\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 16:07
S16	3	S15 and @pd>"20050615"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 16:07
S17	64	(HSQ (siloxane near3 polymer)) with (clad\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 16:08
S18	2	S17 and @pd>"20050615"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 16:08
S19	1	("20050201681").PN.	US-PGPUB	OR	OFF	2005/12/12 17:08

## EAST Search History

S20	7774	385/31,33,34,129-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 17:12
S21	7367	S20 and (@ad<"20031027" @rlad<"20031027")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 17:12
S22	2087	S21 and (substrate\$1 base\$1) and ((waveguide\$1 core\$1 fib\$3) with (lens\$2 GRIN))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 17:13
S23	912	S22 and (clad cladding\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 17:14
S24	6	S23 and (siloxane near3 polymer\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 17:14
S25	397	S23 and (substrate\$1 same (clad cladding\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 17:15
S26	130	S25 and ((upper and lower) with (clad cladding\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 17:16
S27	34	S26 and (lens\$2 same (expos\$4 protrud\$4 air))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/12 17:16

## EAST Search History

S28	10141	(HSQ (siloxane near3 polymer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 19:49
S29	384	S28 and (waveguid\$4 cladding\$1 clad\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 19:49
S30	318	S29 and @ad<"20031027"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 19:49
S31	43	S30 and (cladding\$1 with waveguid\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 19:49
S32	43	S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 19:49
S33	8752	waveguid\$2 with lens\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 19:58
S34	8882	waveguid\$2 with (lens\$2 GRIN\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 19:59
S35	2159475	substrat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 19:59

## EAST Search History

S36	165653	clad\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 19:59
S37	1986	S34 same S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 20:00
S38	611	S34 same S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 20:00
S39	252	S37 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 20:00
S40	224	S39 and (@ad<"20031027" @rlad<"20031027")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 20:00
S41	489	S33 and (air-clad\$4 (air near4 clad\$4) (air near4 expos\$4) (clad\$4 near6 remov\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 21:02
S42	38	S33 same (air-clad\$4 (air near4 clad\$4) (air near4 expos\$4) (clad\$4 near6 remov\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 21:02